

# Converting Colors

XYZ(75.8481, 86.6563, 54.3237)

Have a look what the booklet for  
XYZ(75.8481, 86.6563, 54.3237)  
contains.

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# Color

**XYZ(75.8481, 86.6563,  
54.3237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF5B1
RGB	238, 245, 177
RGB Percent	93%, 96%, 69%
CMY	0.0667, 0.0392, 0.3059
CMYK	0.03, 0.00, 0.28, 0.04
HSL	66°, 77%, 83%
HSV	66°, 28%, 96%
XYZ	75.8481, 86.6563, 54.3237
YIQ	235.1550, 17.6560, -22.6320

# Conversions

## Conversions Part 2

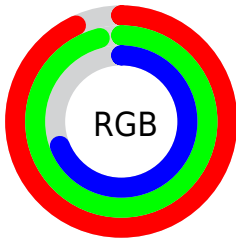
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 245, 184
Decimal	15660465
CIELab	94.59, -12.92, 32.05
CIELCh	95, 34.556, 111.951
Yxy	86.6563, 0.3498, 0.3997
Android (android.graphics.Color)	4293850545 (0xFFEEF5B1)
YUV	235.1550, -28.6704, 2.4951
Hunter-Lab	93.0894, -17.4667, 30.5630

# Details

The XYZ color **75.8481, 86.6563, 54.3237** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.9741, 48.2295, 92.9610**, and the grayscale version is **79.2877, 83.4169, 90.8410**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **40.8917, 47.6742, 26.1156** is the 20% darker color. If you saturate the color by 10%, you get **72.7814, 85.3354, 42.5570**, and if you desaturate by 10%, it is **79.3696, 88.1665, 68.4037**.

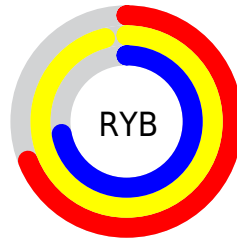
# Distribution



Red (93%)

Green (96%)

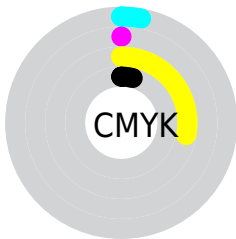
Blue (69%)



Red (69%)

Yellow (96%)

Blue (72%)

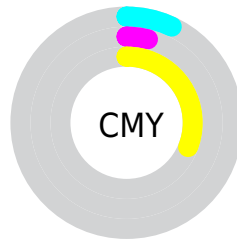


Cyan (3%)

Magenta (0%)

Yellow (28%)

Black (4%)



Cyan (7%)

Magenta (4%)

Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8481, 86.6563, 54.3237 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.8481, 86.6563, 54.3237 by changing the saturation by 10% instead.




 75.8481, 86.6563,  
54.3237

 75.8481, 86.6563,  
54.3237

469.7799,  
517.0928, 420.5526

 56.6046, 65.2108,  
38.4656


 126.4937,  
142.6850, 98.0106

 40.9268, 47.6320,  
26.0396


158.6264,  
178.0370, 126.6764

 28.4493, 33.5356,  
16.6272


195.7863,  
218.7932, 160.4485

 18.8068, 22.5371,  
9.8099

238.3386,  
265.3382, 199.7455

 11.6339, 14.2520,  
5.1692

286.6488,  
318.0563, 244.9858

 6.5653, 8.2962,  
2.2864

341.0822,

 3.2357, 4.2850,

377.3318, 296.5881

0.7236

402.0041,  
443.5492, 354.9709

■ 1.2796, 1.8343,  
0.0000

■ 0.1679, 0.5084,  
0.0000

■ 75.8481, 86.6563,  
54.3237

■ 75.8481, 86.6563,  
54.3237

■ 72.7814, 85.3354,  
42.5570

■ 79.3696, 88.1665,  
68.4037

■ 70.1393, 84.1827,  
32.9746

■ 83.3611, 89.8631,  
84.9058

■ 67.8983, 83.1918,  
25.4431

■ 87.8451, 91.7580,  
103.9387

■ 66.0300, 82.3513,  
19.8124

■ 89.4500, 92.5027,  
107.7480

■ 64.5018, 81.6483,  
15.9119

■ 90.3515, 92.9674,  
107.7902

■ 63.2756, 81.0673,  
13.5408

■ 91.2651, 93.4384,  
107.8330

■ 62.3001, 80.5880,  
12.4294

■ 91.9443, 93.7886,  
107.8648

■ 62.0984, 80.4876,  
12.2627

# Harmonies

## Analogous

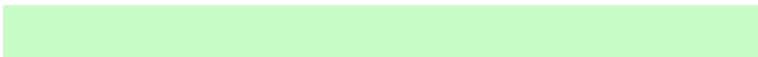
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8977, 86.6563, 52.1297



75.8481, 86.6563, 54.3237



69.0485, 86.6563, 66.1370

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8481, 86.6563, 54.3237



71.8103, 86.6563, 140.7910



101.4034, 86.6563, 101.7203

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.8481, 86.6563, 54.3237



51.9741, 48.2295, 92.9610

# Split Complementary

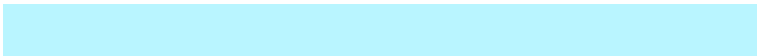
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.2904, 86.6563, 129.6340



75.8481, 86.6563, 54.3237



79.8817, 86.6563, 154.8075

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8481, 86.6563, 54.3237



66.8427, 86.6563, 114.8591



89.2432, 86.6563, 150.3797



100.1198, 86.6563, 76.4472

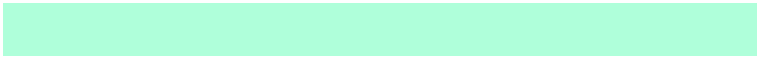


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8481, 86.6563, 54.3237



66.4803, 86.6563, 79.3361



89.2432, 86.6563, 150.3797



100.5958, 86.6563, 111.1567

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.8503, 86.6602, 54.3255



91.1687, 98.3586, 92.4746



62.6939, 56.7871, 49.2529



19.3660, 20.9901, 19.1751



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

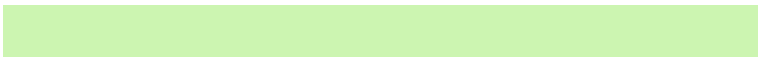
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8503, 86.6602, 54.3255



81.2185, 94.1072, 52.3370



65.5481, 81.3492, 53.8434



17.7366, 19.2218, 17.5729



33.5211, 43.3935, 6.6090



2.9937, 3.8384, 0.5831



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.9741, 48.2295, 92.9610



51.2953, 45.9349, 100.7705



61.0600, 52.9135, 93.3863



15.7396, 16.0084, 20.8029



9.1509, 3.6918, 46.7683

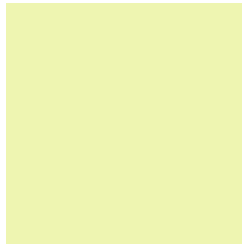


0.8560, 0.3511, 4.1129



# Previews

## White Background



This preview shows how the XYZ color 75.8481, 86.6563, 54.3237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8481, 86.6563, 54.3237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

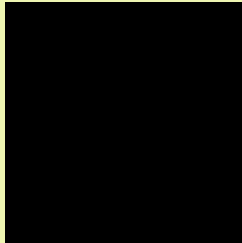
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

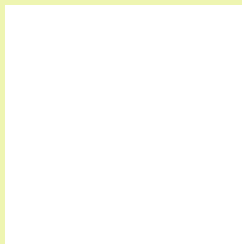
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.8481, 86.6563, 54.3237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.8481, 86.6563, 54.3237.



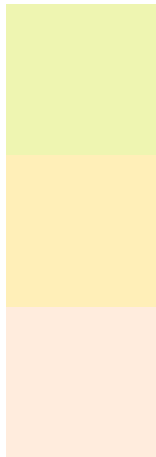
This preview shows how white text looks on a background with the XYZ color 75.8481, 86.6563,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.8481, 86.6563, 54.3237

### Protanopia

80.7582, 86.4537, 57.7782

### Deuteranopia

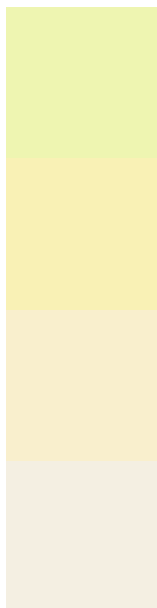
84.2866, 86.4714, 80.6549



## Tritanopia

86.3091, 86.5289, 105.9187

# Trichromacy



## Original Color

75.8481, 86.6563, 54.3237

## Protanomaly

78.8627, 86.3865, 56.2338

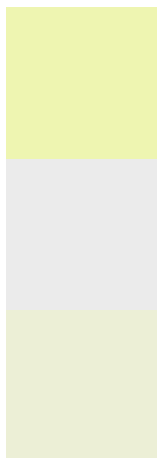
## Deuteranomaly

80.9529, 86.2805, 70.1447

## Tritanomaly

81.9022, 86.4571, 84.3227

# Monochromacy



## Original Color

75.8481, 86.6563, 54.3237

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.5962, 84.4209, 75.8234

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8481, 86.6563, 54.3237 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(238, 245, 177)` looks like.

```
.text, #text, p{  
    color:rgb(238, 245, 177)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 245, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 245, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8481, 86.6563, 54.3237 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 245, 177) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(238, 245, 177) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(238, 245, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 245, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 245, 177);  
box-shadow:4px 4px 4px 4px rgb(238, 245,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8481, 86.6563, 54.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 245, 177) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238,  
245, 177) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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